

WHAT IS CLAIMED IS:

1. A routing control system, comprising a plurality of transfer devices for transferring packets on a network, and a control device for controlling a transfer route of said packets,

wherein said plurality of transfer devices comprise:  
generation means for generating a temporary routing control information of said packets; and

transmission means for transmitting the temporary routing control information generated by said generation means to said control device, and

said control device comprises:

reception means for receiving the plurality of temporary routing control information transmitted by the transmission means of said plurality of transfer devices; and

control means for controlling the transfer route of said packets by using the plurality of temporary routing control information received by said reception means.

2. The routing control system according to Claim 1,

wherein the transmission means of said transfer device transmits said temporary routing control information to said control device when the temporary routing control information of said packets is changed or regenerated.

3. The routing control system according to Claim 1, wherein said control device further comprises reception

notification means for notifying the reception of said temporary routing control information to the transfer device which is the transmission source of said temporary routing control information, when said temporary routing control information is transmitted.

4. The routing control system according to Claim 1, wherein said control device further comprises update means for updating a first temporary routing control information received by said reception means to a second temporary routing control information newly received by said reception means when a predetermined time elapsed after said first temporary routing control information is stored, and then storing said second temporary routing control information in storage means as routing control information.

5. A routing control device which is connected to a plurality of transfer devices for transferring packets on a network and controls the transfer route of said packets, comprising:

reception means for receiving a plurality of temporary routing control information transmitted from said plurality of transfer devices; and

control means for controlling the transfer route of said packets by using the plurality of temporary routing control information received by said reception means.

6. A routing control method comprising:

a generation step of generation means of a plurality

of transfer devices generating temporary routing control information of packets;

5       a transmission step of transmission means of said plurality of transfer devices transmitting the temporary routing control information generated in said generation step to a control device;

      a reception step of reception means of said control device receiving the plurality of temporary routing control information transmitted in said transmission step; and

10       a control step of control means of said control device controlling the transfer route of said packets by using the plurality of temporary routing control information received in said reception step.